

## WEST Search History

DATE: Tuesday, June 04, 2002

**Set Name Query**

side by side

**Hit Count Set Name**

result set

*DB=USPT; PLUR=YES; OP=AND*

L6	L5 and l2	1	L6
L5	L4 and (obesity or steatorrhea or hypertriglyceride or fat)	198	L5
L4	((424/78.01 )!.CCLS.  (514/909 )!.CCLS.  (525/295 )!.CCLS. )	427	L4
L3	diallylammonium.clm.	50	L3
L2	diallylammonium	242	L2
L1	diallylaminium	0	L1

END OF SEARCH HISTORY

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 970 AND 1015

L1 SCREEN CREATED

=>

Uploading C:\STNEXP4\QUERIES\09721291.str

L2 STRUCTURE UPLOADED

=> que L2 AND L1

L3 QUE L2 AND L1

=> s l3 sss sam

SAMPLE SEARCH INITIATED 14:24:24 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 12 TO ITERATE

100.0% PROCESSED 12 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 33 TO 447

PROJECTED ANSWERS: 2 TO 124

L4 2 SEA SSS SAM L2 AND L1

=> s l3 sss full

FULL SEARCH INITIATED 14:24:55 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 192 TO ITERATE

100.0% PROCESSED 192 ITERATIONS

5 ANSWERS

SEARCH TIME: 00.00.01

L5 5 SEA SSS FUL L2 AND L1

=> d 1-5

L5 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2002 ACS

RN 321904-08-9 REGISTRY

CN 2-Propen-1-aminium, N,N-bis(2,3-dihydroxypropyl)-N-2-propenyl-, chloride,  
homopolymer (9CI) (CA INDEX NAME)

MF (C12 H24 N O4 . Cl)x

CI PMS

PCT Polyvinyl

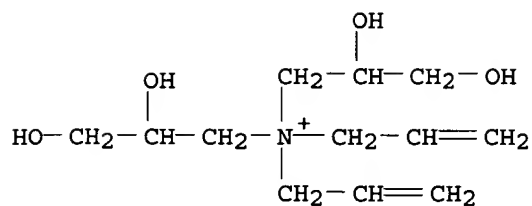
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 321904-07-8

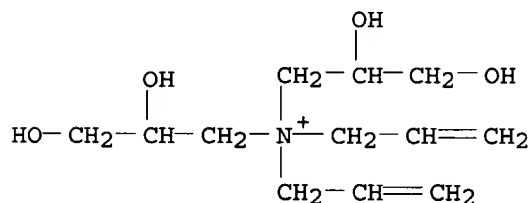
CMF C12 H24 N O4 . Cl



● Cl<sup>-</sup>

1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2002 ACS  
RN 321904-07-8 REGISTRY  
CN 2-Propen-1-aminium, N,N-bis(2,3-dihydroxypropyl)-N-2-propenyl-, chloride  
(9CI) (CA INDEX NAME)  
MF C12 H24 N O4 . Cl  
CI COM  
SR CA

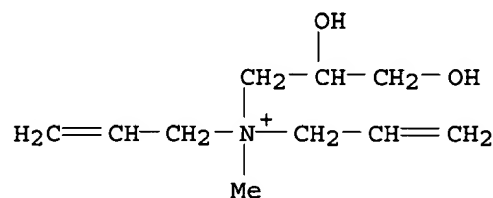


● Cl<sup>-</sup>

L5 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2002 ACS  
RN 321904-06-7 REGISTRY  
CN 1-Propanaminium, 2,3-dihydroxy-N-methyl-N,N-di-2-propenyl-, chloride,  
homopolymer (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Poly[N,N-diallyl-N-methyl-N-(2,3-dihydroxypropyl)ammonium chloride]  
MF (C10 H20 N O2 . Cl)x  
CI PMS  
PCT Polyvinyl  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 147867-86-5  
CMF C10 H20 N O2 . Cl



⊙ Cl<sup>-</sup>

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2002 ACS

RN 147867-87-6 REGISTRY

CN 1-Propanaminium, 2,3-dihydroxy-N-methyl-N,N-di-2-propenyl-, chloride, polymer with (2Z)-2-butenedioic acid, 1,1-dimethylethyl 2-methyl-2-propenoate, 2-ethylhexyl 2-methyl-2-propenoate, 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, methyl 2-propenoate, 2-propenamide, 2-propenoic acid and N,N,N-trimethyl-3-[(2-methyl-1-oxo-2-propenyl)amino]-1-propanaminium chloride (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-Propanaminium, 2,3-dihydroxy-N-methyl-N,N-di-2-propenyl-, chloride, polymer with (Z)-2-butenedioic acid, 1,1-dimethylethyl 2-methyl-2-propenoate, 2-ethylhexyl 2-methyl-2-propenoate, 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, methyl 2-propenoate, 2-propenamide, 2-propenoic acid and N,N,N-trimethyl-3-[(2-methyl-1-oxo-2-propenyl)amino]-1-propanaminium chloride

CN 1-Propanaminium, N,N,N-trimethyl-3-[(2-methyl-1-oxo-2-propenyl)amino]-, chloride, polymer with (2Z)-2-butenedioic acid,

2,3-dihydroxy-N-methyl-N,N-di-2-propenyl-1-propanaminium chloride, 1,1-dimethylethyl 2-methyl-2-propenoate, 2-ethylhexyl 2-methyl-2-propenoate, 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, methyl 2-propenoate, 2-propenamide and 2-propenoic acid (9CI)

CN 1-Propanaminium, N,N,N-trimethyl-3-[(2-methyl-1-oxo-2-propenyl)amino]-, chloride, polymer with (Z)-2-butenedioic acid,

2,3-dihydroxy-N-methyl-N,N-di-2-propenyl-1-propanaminium chloride, 1,1-dimethylethyl 2-methyl-2-propenoate, 2-ethylhexyl 2-methyl-2-propenoate, 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, methyl 2-propenoate, 2-propenamide and 2-propenoic acid

CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, polymer with (2Z)-2-butenedioic acid, 2,3-dihydroxy-N-methyl-N,N-di-2-propenyl-1-propanaminium chloride, 1,1-dimethylethyl 2-methyl-2-propenoate, 2-ethylhexyl 2-methyl-2-propenoate, methyl 2-propenoate, 2-propenamide, 2-propenoic acid and

N,N,N-trimethyl-3-[(2-methyl-1-oxo-2-propenyl)amino]-1-propanaminium chloride (9CI)

CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, polymer with (Z)-2-butenedioic acid, 2,3-dihydroxy-N-methyl-N,N-di-2-propenyl-1-propanaminium chloride, 1,1-dimethylethyl 2-methyl-2-propenoate, 2-ethylhexyl 2-methyl-2-propenoate, methyl 2-propenoate, 2-propenamide, 2-propenoic acid and

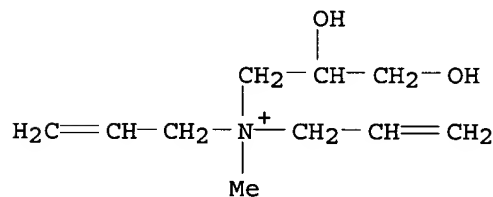
N,N,N-trimethyl-3-[(2-methyl-1-oxo-2-propenyl)amino]-1-propanaminium chloride

- [illegible]

propenyl)amino]-1-propanaminium chloride  
 CN 2-Propenoic acid, polymer with (2Z)-2-butenedioic acid,  
 2,3-dihydroxy-N-methyl-N,N-di-2-propenyl-1-propanaminium chloride,  
 1,1-dimethylethyl 2-methyl-2-propenoate, 2-ethylhexyl 2-methyl-2-  
 propenoate, 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid,  
 methyl 2-propenoate, 2-propenamide and  
 N,N,N-trimethyl-3-[(2-methyl-1-oxo-  
 2-propenyl)amino]-1-propanaminium chloride (9CI)  
 CN 2-Propenoic acid, polymer with (Z)-2-butenedioic acid,  
 2,3-dihydroxy-N-methyl-N,N-di-2-propenyl-1-propanaminium chloride,  
 1,1-dimethylethyl 2-methyl-2-propenoate, 2-ethylhexyl 2-methyl-2-  
 propenoate, 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid,  
 methyl 2-propenoate, 2-propenamide and  
 N,N,N-trimethyl-3-[(2-methyl-1-oxo-  
 2-propenyl)amino]-1-propanaminium chloride  
 FS STEREOSEARCH  
 MF (C12 H22 O2 . C10 H21 N2 O . C10 H20 N O2 . C8 H14 O2 . C7 H13 N O4 S .  
 C4 H6 O2 . C4 H4 O4 . C3 H5 N O . C3 H4 O2 . 2 Cl)x  
 CI PMS  
 PCT Polyacrylic, Polyester, Polyester formed, Polyvinyl  
 SR CA  
 LC STN Files: CA, CAPLUS

CM 1

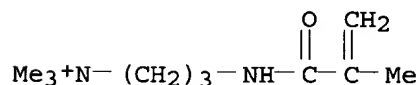
CRN 147867-86-5  
 CMF C10 H20 N O2 . Cl



● Cl<sup>-</sup>

CM 2

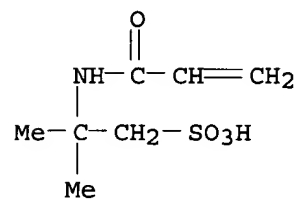
CRN 51410-72-1 (51441-64-6)  
 CMF C10 H21 N2 O . Cl



● Cl<sup>-</sup>

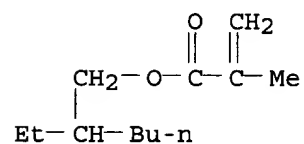
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CRN 15214-89-8  
CMF C7 H13 N O4 S



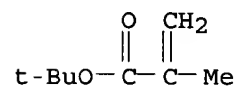
CM 4

CRN 688-84-6  
CMF C12 H22 O2



CM 5

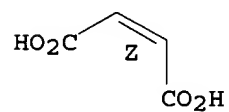
CRN 585-07-9  
CMF C8 H14 O2



CM 6

CRN 110-16-7  
CMF C4 H4 O4

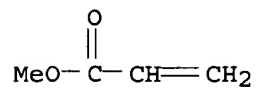
Double bond geometry as shown.



CM 7

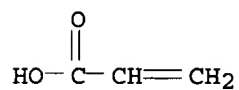
CRN 96-33-3

CMF C4 H6 O2



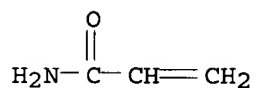
CM 8

CRN 79-10-7  
CMF C3 H4 O2



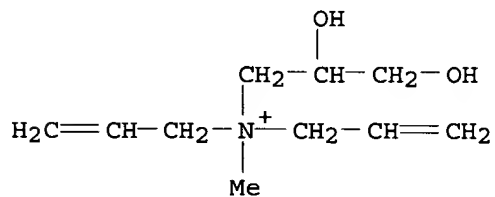
CM 9

CRN 79-06-1  
CMF C3 H5 N O



1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2002 ACS  
RN 147867-86-5 REGISTRY  
CN 1-Propanaminium, 2,3-dihydroxy-N-methyl-N,N-di-2-propenyl-, chloride  
(9CI)  
(CA INDEX NAME)  
MF C10 H20 N O2 . Cl  
CI COM  
SR CA



● Cl<sup>-</sup>



=> file caplus medline  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
150.08	150.29

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 14:27:09 ON 04 JUN 2002  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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FILE 'MEDLINE' ENTERED AT 14:27:09 ON 04 JUN 2002

=> s l5

L6 2 L5

=> d ibib abs 1-2

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:63835 CAPLUS

DOCUMENT NUMBER: 134:131954

TITLE: Fat-binding polymers for use with lipase inhibitors

INVENTOR(S): Jozefiak, Thomas Henry; Mandeville, W. Harry, III;  
Holmes-Farley, Stephen Randall; Huval, Chad Cori;  
Garigapati, Venkata R.; Shackett, Keith K.; Concagh,  
Danny

PATENT ASSIGNEE(S): Geltex Pharmaceuticals, Inc., USA

SOURCE: PCT Int. Appl., 104 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001005408	A1	20010125	WO 1999-US15958	19990714
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 9949957	A1	20010205	AU 1999-49957	19990714
EP 1196181	A1	20020417	EP 1999-934037	19990714
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			

PRIORITY APPLN. INFO.: WO 1999-US15958 A 19990714

AB Polymers having ether and(or) N-contg. side chains are manufd. for use in binding fat for treatment of obesity. A typical polymer was manufd. by radical polymn. of N-decylacrylamide 2.83, 3-acrylamidopropyltrimethylammo  
nium chloride 18.45, and acrylamide 13.33 g.

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS

FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RE

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:256861 CAPLUS  
DOCUMENT NUMBER: 118:256861  
TITLE: Rosin emulsion sizes and dispersing agents for  
improving their stability and endurance to water  
hardness and acidity stress  
INVENTOR(S): Niike, Hitoshi; Sakuraba, Noriko  
PATENT ASSIGNEE(S): Daiichi Kogyo Seiyaku Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
	JP 04333694	A2	19921120	JP 1991-128646	19910430
AB	The title agents are copolymers and/or their salts prepd. from (meth)acrylate esters and/or styrene compds., and comonomers bearing amino and/or ammonium groups in the presence of 2,4-diphenyl-4-methyl-1-pentene (I) chain-transfer agents. Thus, 2,2'-azobis(2,4-dimethylvaleronitrile)- initiated polymn. of Et acrylate, Me methacrylate, sec-Bu acrylate, [(methacryloyloxy)ethyl]trimethylammonium chloride, and [(methacryloyloxy)-2-hydroxypropyl]trimethylammonium chloride in the presence of I gave a copolymer with mol. wt. 25,000, which was used to disperse a fumaric acid-fortified rosin into a stable emulsion.				

=> d iall 2

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:256861 CAPLUS  
DOCUMENT NUMBER: 118:256861  
TITLE: Rosin emulsion sizes and dispersing agents for  
improving their stability and endurance to water  
hardness and acidity stress  
INVENTOR(S): Niike, Hitoshi; Sakuraba, Noriko  
PATENT ASSIGNEE(S): Daiichi Kogyo Seiyaku Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
INT. PATENT CLASSIF.:  
MAIN: D21H017-34  
SECONDARY: B01F017-52; C08L025-08; C08L033-04; D21H017-62;  
D21H017-37  
CLASSIFICATION: 43-7 (Cellulose, Lignin, Paper, and Other Wood  
Products)  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
	JP 04333694	A2	19921120	JP 1991-128646	19910430

ABSTRACT:

The title agents are copolymers and/or their salts prepd. from (meth)acrylate  
esters and/or styrene compds., and comonomers bearing amino and/or ammonium  
groups in the presence of 2,4-diphenyl-4-methyl-1-pentene (I) chain-transfer

agents. Thus, 2,2'-azobis(2,4-dimethylvaleronitrile)-initiated polymn. of Et acrylate, Me methacrylate, sec-Bu acrylate, [(methacryloyloxy)ethyl]trimethylammonium chloride, and [(methacryloyloxy)-2-hydroxypropyl]trimethylammonium chloride in the presence of I gave a copolymer with mol. wt. 25,000, which was used to disperse a fumaric acid-fortified rosin into a stable emulsion.

SUPPL. TERM: rosin emulsion size dispersing agent; acrylic polymer dispersing agent size; styrene copolymer dispersant rosin size; quaternary ammonium compd polymer dispersant

INDEX TERM: Chain-transfer agents  
(contg. diphenylmethylpentene, for manuf. of acrylic polymers bearing ammonium groups for dispersants for rosin sizes)

INDEX TERM: Dispersing agents  
(for rosin emulsion sizes, acrylic polymers bearing ammonium groups as, prepn. of, chain-transfer agents used in)

INDEX TERM: Sizing  
(of paper, with rosin emulsions, cationic acrylic polymer dispersing agents for)

INDEX TERM: Paper  
(rosin emulsion size for, dispersants for, diphenylmethylpentene as chain-transfer agents in)

INDEX TERM: Quaternary ammonium compounds, polymers  
ROLE: IMF (Industrial manufacture); PREP (Preparation)  
(polymers, acrylic, as dispersants for rosin sizes, chain-transfer agents for prepn. of)

INDEX TERM: 6362-80-7, 2,4-Diphenyl-4-methyl-1-pentene  
ROLE: USES (Uses)  
(chain-transfer agents, for manuf. of acrylic polymers bearing ammonium groups for dispersants for rosin sizes)

INDEX TERM: 147814-47-9P 147867-82-1P 147867-83-2P 147867-85-4P  
147867-87-6P 147897-03-8P  
ROLE: IMF (Industrial manufacture); PREP (Preparation)  
(dispersants for rosin sizes, chain-transfer agents for prepn. of)

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
12.35	162.64

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-1.86	-1.86

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STN INTERNATIONAL LOGOFF AT 14:35:06 ON 04 JUN 2002